11927 ROJE 2019 24 MAR 2015

PTO/SB/08A (08-0

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number

Application Number

Filing Date

First Named Inventor

Art Unit

Examiner Name

Attorney Docket Number

Complete if Known

Are Application

March 24, 2006

Mitsuhiro HAMASHIMA et al

Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (# known)</sup>			Figures Appear
		US-			
		US-			
-		US-			
		US-			, , , , , , , , , , , , , , , , , , , ,
		US-	<del></del>		
		US-		· · · · · · · · · · · · · · · · · · ·	
-		US-			

		FORE	IGN PATENT DOCU	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
/SK/	1	JP 2003-91545 A	03-28-2003	KATAYAMA et al.	English Abstract	
XX	2	JP 2003-91715 A	03-28-2003	KATAYAMA et al.	English Abstract	
999999	3	JP 2002-16789 A	01-18-2002	TERADA	English Abstract	
999900	4	JP 2003-256838 A	09-12-2003	KONO	English Abstract	
	5	JP 2001-353920 A	12-25-2001	HAMAMURA	English Abstract	
/SK/	6	JP 2002-329250 A	11-15-2002	NAKAMURA	English Abstract	

Examiner	/Steven Kau/	Date	00/05/0000
Signature	/Oteven Ivad/	Considered	06/05/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sheet 2



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of |6

Coi	Complete if Known				
Application Number	New Application 2229				
Filing Date	March 24, 2006				
First Named Inventor	Mitsuhiro HAMASHIMA et al				
Art Unit					
Examiner Name					
Attorney Docket Number	URBA:003				

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2 (# known)</sup>			i igures Appear	
		US-				
		US-				
		US-				
	<b> </b>	US-				
	†	US-				
		US-				
	<u> </u>	US-				
	<u> </u>	US-				
	<b></b>	US-				
	1	US-				
	1	US-				
	<b></b>	US-		<u> </u>	· · · · · · · · · · · · · · · · · · ·	
	<u> </u>	US-				
		US-				
	<u> </u>	US-				
		US-				
		US-				
		US-				
	1	US-				

		FORE	IGN PATENT DOCU	IMENTS	•	
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
/SK/	7	JP 2003-150330 A	05-23-2003	ATSUMI	English Abstract	
900	8	JP 2002-57820 A	02-22-2002	OKUBO et al.	English Abstract	
	9	JP 2002-92350 A	03-29-2002	ARAGAI et al.	English Abstract	
-	10	JP 2000-35968 A	02-02-2000	SHINAGAWA	English Abstract	
8	11	JP 2003-260846 A	09-16-2003	TOKUHASHI	English Abstract	
/SK/	12	JP 2003-260848 A	09-16-2003	TOKUHASHI	English Abstract	

1	Examiner		Date	06/05/2000
	Signature	/Steven Kau/	Considered	06/05/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Examiner	Cite	Decument Number	U. S. PATENT DO	Name of Patentee or	Pages, Columns, Lines, Where
Examiner Initials*	No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-			
		08-			
		US-		<u> </u>	`
		US-			
		US-			
	-	US-		· · ·	
		US-			
		US-			
		US-			
		US-	<del> </del>		
		US-			
		US-			
		US-	+		
		US-	1		
		US-	+ +		

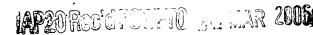
		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> ( <i>if known</i> )	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
/SK/	13	JP 2002-271810 A	09-20-2002	IKEDA	English Abstract	
1	14	JP 5-316334 A	11-26-1993	AIZAWA	English Abstract	
000	15	JP 7-285245 A	10-31-1995	MIZUNO et al.	English Abstract	
	16	JP 2001-312390 A	11-09-2001	EDATSUNE et al.	English Abstract	
	17	JP 11-219441A	08-10-1999	KUNO	English Abstract	
/SK/	18	JP 2003-78742 A	03-14-2003	NAKAGAWA	English Abstract	

caminer gnature	/Steven Kau/	Date Considered	06/05/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Traisation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sheet 4



PTO/SB/08A (08-03)

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 6

Coi	nplete if Known
Application Number	New Application 4 4 4 4 March 24, 2006
Filing Date	March 24, 2006
First Named Inventor	Mitsuhiro HAMASHIMA et al
Art Unit	
Examiner Name	
Attorney Docket Number	URBA:003

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	<u> </u>	Number-Kind Code <sup>2 (# known)</sup> US-			· ·ge··o·· ·pp·o··	
		05-				
		US-				
		US-				
		US-	1			
	·	US-				
		US-				
	<u> </u>	US-				
	1	US-				
		US-				
		US-				
	1	US-				
		US-				
		US-				
	1	US-				
	ļ	US-				
		US-				
		US-				
· · · ·		US-				
	l	US-				

		FORE	IGN PATENT DOCL	IMENTS		
Examiner Initials*	Cite No.1		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
/SK/	19	JP 2001-277644 A	10-09-2001	KAGEYAMA et al.	English Abstract	
	20	JP 11-321018 A	11-24-1999	EDATSUNE et al	English Abstract	
	21	JP 11-320987 A	11-24-1999	EDATSUNE et al	English Abstract only	
00000	22	JP 11-321016 A	11-24-1999	EDATSUNE et al.	English Abstract only	
00000	23	JP 11-321017 A	11-24-1999	EDATSUNE et al	English Abstract only	
/SK/	24	JP 11-321019 A	11-24-1999	EDATSUNE et al	English Abstract only	

(	Examiner	/Steven Kau/	Date	DO INE IDANO
1	Signature	/Oleven Nau/	Considered	06/05/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sheet 5



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 6

Application Number New/Application
Filing Date March 24, 2006
First Named Inventor Mitsuhiro HAMASHIMA et al
Art Unit
Examiner Name
Attorney Docket Number URBA:003

U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US-					
		US-					
		US-					
		US-					
	ļ — —	US-					
		US-					
	l	US-					
		US-					
		US-					
		US-		-			
		ÚS-			,		
		US-					
		US-					
		US-					
		US-					
	L	US-					
		US-					
		US-					
	<del>                                     </del>	US-	1	<del></del>			

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Ī
			MM-DD-YYYY			۲۴
/SK/	25	JP 11-321020 A	11-24-1999	EDATSUNE et al.	English Abstract Only	
8	26	JP 11-321021 A	11-24-1999	EDATSUNE et al.	English Abstract Only	
	27	JP 2000-270149 A	09-29-2000	SHIBAZAKI	English Abstract Only	
/SK/	28	JP 2001-94745 A	04-06-2001	KOTANI	English Abstract	

Examiner Signature	/Steven Kau/	Date Considered	06/05/2009	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

### IAP20 Rec'd PCT/PTO 24 MAR 2006

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCI
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO	Complete if Known			
Substitute for form 1443/FTO	Application Number	New Application / 573334		
INFORMATION DISCLOSURE	Filing Date	March 24, 2006		
STATEMENT BY APPLICANT	First Named Inventor	Mitsuhiro HAMASHIMA et al.		
	Art Unit			
(Use as many sheets as necessary)	Examiner Name			
Sheet 6 of 6	Attorney Docket Number	URBA:003		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
/SK/	29	Relevant portion of International Search Report of corresponding PCT Application PCT/JP2004/013799.	
The second secon			
			·

Examiner   Date   06/05/2009   Signature   Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.